Pengcheng Zhu

List of Publications by Year
in descending order

54 papers	1,489 citations	623188 14 h-index	315357 38 g-index
55 all docs	55 docs citations	55 times ranked	1097 citing authors

#	Article	IF	Citations
1	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
2	Performance of Network-Assisted Full-Duplex for Cell-Free Massive MIMO. IEEE Transactions on Communications, 2020, 68, 1464-1478.	4.9	77
3	Downlink Spectral Efficiency of Distributed Massive MIMO Systems With Linear Beamforming Under Pilot Contamination. IEEE Transactions on Vehicular Technology, 2018, 67, 1130-1145.	3.9	54
4	Deep Learning-Based Pilot Design for Multi-User Distributed Massive MIMO Systems. IEEE Wireless Communications Letters, 2019, 8, 1016-1019.	3.2	41
5	DOTS: Delay-Optimal Task Scheduling Among Voluntary Nodes in Fog Networks. IEEE Internet of Things Journal, 2019, 6, 3533-3544.	5.5	35
6	Spectral efficiency analysis of large-scale distributed antenna system in a composite correlated Rayleigh fading channel. IET Communications, 2015, 9, 681-688.	1.5	28
7	Machine-Learning-Based Opportunistic Spectrum Access in Cognitive Radio Networks. IEEE Wireless Communications, 2020, 27, 38-44.	6.6	28
8	Spectral efficiency analysis of single-cell multi-user large-scale distributed antenna system. IET Communications, 2014, 8, 2213-2221.	1.5	25
9	Joint User Selection and Transceiver Design for Cell-Free With Network-Assisted Full Duplexing. IEEE Transactions on Wireless Communications, 2021, 20, 7856-7870.	6.1	24
10	Analysis and Optimization of Ambiguity Function in Radar-Communication Integrated Systems Using MPSK-DSSS. IEEE Wireless Communications Letters, 2019, 8, 1546-1549.	3.2	20
11	Joint Sparse Beamforming and Power Control for a Large-Scale DAS With Network-Assisted Full Duplex. IEEE Transactions on Vehicular Technology, 2020, 69, 7569-7582.	3.9	19
12	Network-Assisted Full-Duplex Distributed Massive MIMO Systems With Beamforming Training Based CSI Estimation. IEEE Transactions on Wireless Communications, 2021, 20, 2190-2204.	6.1	18
13	Joint optimization of spectral efficiency for cell-free massive MIMO with network-assisted full duplexing. Science China Information Sciences, 2021, 64, 1.	2.7	16
14	Secrecy Energy Efficiency Optimization for Multi-User Distributed Massive MIMO Systems. IEEE Transactions on Communications, 2020, 68, 915-929.	4.9	15
15	Joint Long-Term Energy Efficiency Optimization in C-RAN With Hybrid Energy Supply. IEEE Transactions on Vehicular Technology, 2020, 69, 11128-11138.	3.9	14
16	Analysis and Optimization of Fog Radio Access Networks With Hybrid Caching: Delay and Energy Efficiency. IEEE Transactions on Wireless Communications, 2021, 20, 69-82.	6.1	14
17	Benefits of Beamforming Training Scheme in Distributed Large-Scale MIMO Systems. IEEE Access, 2018, 6, 7432-7444.	2.6	12
18	Joint Transceiver Design for Network-Assisted Full-Duplex Systems With SWIPT. IEEE Systems Journal, 2022, 16, 1206-1216.	2.9	12

#	ARTICLE	IF	CITATIONS
19	Energy Efficiency Optimization for MIMO Distributed Antenna Systems With Pilot Contamination. IEEE Access, 2018, 6, 24157-24170.	2.6	10
20	A Pilot Allocation Algorithm Based on Coalitional Game Theory for Distributed MIMO Systems. IEEE Access, 2019, 7, 105996-106001.	2.6	10
21	Joint utility optimization for wireless sensor networks with energy harvesting and cooperation. Science China Information Sciences, 2020, 63, 1.	2.7	10
22	Spectral Efficiency Analysis for Bidirectional Dynamic Network With Massive MIMO Under Imperfect CSI. IEEE Access, 2018, 6, 43660-43671.	2.6	9
23	Impacts of practical channel impairments on the downlink spectral efficiency of large-scale distributed antenna systems. Science China Information Sciences, 2019, 62, 1.	2.7	9
24	Privacy-Preserving Channel Estimation in Cell-Free Hybrid Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2021, 20, 3815-3830.	6.1	8
25	Optimization of Duplex Mode Selection for Network-Assisted Full-Duplex Cell-Free Massive MIMO Systems. IEEE Communications Letters, 2021, 25, 3649-3653.	2.5	8
26	Antenna Selection for Full-Duplex Distributed Massive MIMO via the Elite Preservation Genetic Algorithm. IEEE Communications Letters, 2022, 26, 922-926.	2.5	8
27	Optimization of the energy efficiency in Smart Internet of Vehicles assisted by MEC. Eurasip Journal on Advances in Signal Processing, 2022, 2022, .	1.0	8
28	Scalable Pilot Assignment Scheme for Cell-Free Large-Scale Distributed MIMO With Massive Access. IEEE Access, 2021, 9, 122107-122112.	2.6	7
29	Learning-Empowered Privacy Preservation in Beyond 5G Edge Intelligence Networks. IEEE Wireless Communications, 2021, 28, 12-18.	6.6	7
30	Energy efficient joint energy cooperation and power allocation in multiuser distributed antenna systems with hybrid energy supply. IET Communications, 2019, 13, 153-161.	1.5	7
31	Downlink spectral efficiency of multi-cell multi-user large-scale DAS with pilot contamination. , 2015, , .		6
32	Downlink Transmission Strategies in Power-Splitting SWIPT Distributed MISO Systems. IEEE Access, 2018, 6, 52997-53005.	2.6	6
33	Large System Performance and Distributed Scheme of Downlink Beamforming in F-RANs With Distributed Antennas. IEEE Access, 2019, 7, 33441-33453.	2.6	6
34	Energy Efficiency Optimization of Distributed Massive MIMO Systems Under Ergodic QoS and Per-RAU Power Constraints. IEEE Access, 2019, 7, 5001-5013.	2.6	6
35	Fingerprint-Based Covariance Matrix Estimation for Cell-Free Distributed Massive MIMO Systems. IEEE Wireless Communications Letters, 2022, 11, 416-420.	3.2	6
36	Performance analysis of MIMO beamforming with imperfect feedback. International Journal of Communication Systems, 2014, 27, 2110-2120.	1.6	5

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37	Spectral and Energy Efficiency of Distributed Massive MIMO with Low-Resolution ADC. Electronics (Switzerland), 2018, 7, 391.	1.8	5
38	Impacts of Asynchronous Reception on Cell-Free Distributed Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 11106-11110.	3.9	4
39	Beam Tracking for Distributed Millimeter-Wave Massive MIMO Systems Based on the Unscented Kalman Filter. IEEE Wireless Communications Letters, 2022, 11, 712-716.	3.2	4
40	Load-Aware Dynamic Mode Selection for Network-Assisted Full-Duplex Cell-Free Large-Scale Distributed MIMO Systems. IEEE Access, 2022, 10, 22301-22310.	2.6	4
41	Joint optimization of spectral efficiency and energy efficiency with low-precision ADCs in cell-free massive MIMO systems. Science China Information Sciences, 2022, 65, 1.	2.7	4
42	Structured Tensor CP Decomposition-Aided Pilot Decontamination for UAV Communication in Cell-Free Massive MIMO Systems. IEEE Communications Letters, 2022, 26, 2156-2160.	2.5	4
43	Downlink Spectral Efficiency Analysis in Distributed Massive MIMO with Phase Noise. Electronics (Switzerland), 2018, 7, 317.	1.8	3
44	Energy Optimization Algorithms for MIMO-OFDM Based Downlink C-RAN System. IEEE Access, 2019, 7, 17927-17934.	2.6	3
45	Transceiver Design for Large-scale DAS with Network Assisted Full Duplex. , 2020, , .		3
46	Analysis of Delay and Energy Efficiency in Fog Radio Access Networks with Hybrid Caching. , 2019, , .		2
47	Secure Computation Offloading for Multi-user Multi-server MEC-enabled IoT. , 2021, , .		2
48	Pilot Decontamination based on Pilot Allocation for Large-Scale Distributed Antenna Systems. , 2018, , .		1
49	Sparse Beamforming for an Ultradensely Distributed Antenna System With Interlaced Clustering. IEEE Access, 2019, 7, 15069-15085.	2.6	1
50	Fuzzy Logic Guided Load-Balanced User Association and Beamforming for Distributed mmWave Networks. IEEE Communications Letters, 2021, 25, 3634-3638.	2.5	1
51	Satellite-Assisted Cell-Free Massive MIMO Systems with Multi-Group Multicast. Sensors, 2021, 21, 6222.	2.1	1
52	Robust Downlink Transmission for 6G LEO-MIMO Satellite Systems. Wireless Communications and Mobile Computing, 2022, 2022, 1-10.	0.8	1
53	Scalable video broadcast over multiuser OFDM systems. , 2012, , .		0
54	Flexible Duplexing Mode Selection Optimization for Network-Assisted Full-Duplex Cell-Free Massive MIMO Systems. , 2021, , .		0